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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/666,946  
Applicant : Baldomero M. OLIVERA  
Filed : September 22, 2003  
TC/A.U. : 1646  
Examiner :

Docket No. : 2314-266  
Customer No. : 06449  
Confirmation No. : 7093

INFORMATION DISCLOSURE STATEMENT

Director of the United States Patent  
and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith  
information that the Office may wish to consider in examination of the subject application.

Materials submitted for consideration are listed on the attached form PTO-1449.

Respectfully submitted,

By

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*Complete if Known*

Application Number	10/666,946
Filing Date	September 22, 2003
First Named Inventor	Baldomero M. OLIVERA
Group Art Unit	1646
Examiner Name	

Sheet	1	of	2	Attorney Docket Number	2314-266
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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
		5,672,682		Terlau et al.	09-30-1997
		2003/0181368		Layer et al.	09-25-2003
		2003/0224343		Pemberton-Goodman et al.	12-04-2003
		2004/0092447		Cornell-Bell et al.	05-13-2004

**FOREIGN PATENT DOCUMENTS**

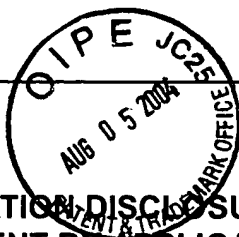
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			

Examiner  
Signature

Date  
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code. <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.



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Sheet	2	of	2	Attorney Docket Number	2314-266
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## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Michael Ferber, et al., "Identification of a mammalian target of $\kappa$ M-conotoxin RIIK," <i>Toxicon</i> , Vol. 43, 2004, pp. 915-921	
		Michael Ferber, et al., "A Novel Conus Peptide Ligand for K <sup>+</sup> Channels," <i>The Journal of Biological Chemistry</i> , Vol. 278, No. 4, January 24, 2003, pp. 2177-2183	
		Richard B. Jacobsen, et al., "Single Amino Acid Substitutions in $\kappa$ -Conotoxin PVIIA Disrupt Interaction with the Shaker K <sup>+</sup> Channel," <i>The Journal of Biological Chemistry</i> , Vol. 275, No. 32, August 11, 2000, pp. 24639-24644	
		E. Dietlind Koch, et al. "The Binding of $\kappa$ -Conotoxin PVIIA and Fast C-Type Inactivation of Shaker K <sup>+</sup> Channels are Mutually Exclusive," <i>Biophysical Journal</i> , Vol. 86, January 2004, pp. 191-209	
		David Naranjo, "Inhibition of Single <i>Shaker</i> K Channels by $\kappa$ -Conotoxin-PVIIA," <i>Biophysical Journal</i> , Vol. 82, June 2002, pp. 3003-3011	
		Philippe Savarin, et al., "Variability in automated assignment of NOESY spectra and three-dimensional structure determination: A test case on three small disulfide-bonded proteins," <i>Journal of Biomolecular NMR</i> , Vo. 19, 2001, pp. 49-62	
		Philippe Savarin, et al., "Three-Dimensional Structure of $\kappa$ -Conotoxin PVIIA, a Novel Potassium Channel-Blocking Toxin from Cone Snails, <i>Biochemistry</i> ," Vol. 37, 1998, pp. 5407-5416	
		Martin J. Scanlon, et al., "Solution structure and proposed binding mechanism of a novel potassium channel toxin $\kappa$ -Conotoxin PVIIA, <i>Structure</i> , Vol. 5, No. 12, 1997, pp. 1585-1597	
		Ki-Joon Shon, et al., " $\kappa$ -Conotoxin PVIIA Is a Peptide Inhibiting the Shaker K <sup>+</sup> Channel," <i>The Journal of Biological Chemistry</i> , Vol. 273, No. 1, January 2, 1998, pp. 33-38	
		Heinrich Terlau, et al. "Strategy for rapid immobilization of prey by a fish-hunting marine snail," <i>Letters to Nature</i> , Vol. 381, May 9, 1996, pp. 148-151	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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